			PC1/JP	03/11654		
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ C22B1/16, 1/00, 7/02, 19/30, 19/34, 13/02, B09B3/00, C02F11/00,						
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Int.	ocumentation searched (classification system followed by C1 ⁷ C22B1/00-61/00, B09B3/00,	C02F11/00				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where app	propriate, of the relev	ant passages	Relevant to claim No.		
X Y	JP 2002-194452 A (Aichi Stee 10 July, 2002 (10.07.02), Examples (Family: none)	l Works Ltd.),	1-6,8,9,13, 15-17 7,10,18-25		
Y	JP 53-29122 B2 (Toho Aen Kab 18 August, 1978 (18.08.78), Full text (Family: none)	ushiki Kaish	aa),	7,10,18-25		
A	JP 2001-294942 A (Nippon Steel Corp., Nittetsu Plant Designing Corp.), 26 October, 2001 (26.10.01), (Family: none)			1-25		
X Further documents are listed in the continuation of Box C. See patent family annex.						
Special entegones of cited documents: "A" document defining the general state of the art which is not considered to be of panticular relevance earlier document but published on or after the international filing date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document referring to an oral disclosure, use, exhibition or other means "P" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be document of particular relevance; the claimed invention considered to involve an inventive considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive considered to involve an inventive considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance;						
	November, 2003 (27.11.03)	09 Decen	mber, 2003 ((09.12.03)		

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PCT/JP03/11654

			03/11034
C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT		
Calegory*	Citation of document, with indication, where appropriate, of the relev	Relevant to claim No.	
A	JP 10-265861 A (Sumitomo Metal Mining Co 06 October, 1998 (06.10.98), (Family: none))., Ltd.),	1-25
A	JP 55-104434 A (Dowa Mining Cc., Ltd.), 09 August, 1980 (09.08.80), (Family: none)		1-25
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